

PileUp of: @/home/mmri00/Georgina/.WAG/pileup-26532.26547

Symbol comparison table: GenRunData:pileupdna.cmp    CompCheck: 6876

                    GapWeight: 5.000

                    GapLengthWeight: 0.300

pileup.msf    MSF: 1841    Type: N    September 4, 19102 09:13    Check: 8239 ..

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	1		50		
35-L2	.....	.....	.....	[SEQ ID NO:7]	
35-L5	.....	.....	.....	[SEQ ID NO:13]	
35-L4	.....	.....	.....	[SEQ ID NO:11]	
35-L3	.....	.....	.....	[SEQ ID NO:9]	
35A	CTCTAAAGGC	CACTAGCACC	CATCCCAGAG	CTGTCAGCAC	CGGCCTCAGC
35-L1	.....	.....	.....	[SEQ ID NO:1]	
35H	.....	.....	.....	[SEQ ID NO:5]	
35-L7 (AW8)	.....	.....	.....	[SEQ ID NO:3]	
				[SEQ ID NO:9]	

	51		100		
35-L2	.....	.....	.....		
35-L5	.....	.....	.....		
35-L4	.....	.....	.....		
35-L3	.....	.....	.....		
35A	CCAGGCGGCT	CTCTCCCTGA	GCTTCCTGTA	GCCCTGACCC	TCTCCAGCCT
35-L1	.....	.....	.....		
35H	.....	.....	.....		
35-L7 (AW8)	.....	.....	.....		

Figure 1

35-L7 (AW8)

35-L7 (AW8)

35-L7 (AW8)

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35-L2      251      ..... .ATGTGGCTG TCCCCAGCTC TGCTGCTTCT CATCTCCCA [SEQ ID NO: 7]
35-L5      AAGAGAAGAT GCCCTGCTG AACTCTACC TGCTCCTCTT CTGGCTCTCA [SEQ ID NO: 13]
35-L4      AAGGCAGAGC CATGTGGCTG CCCCCTGCTC TGCTCCTTCT CAGCCTCTCA [SEQ ID NO: 11]
35-L3      G.GCTGGGGC TGCCATGCTG CCTTCAGCTC TGCTCCTTCT CTGTGTCCCA [SEQ ID NO: 9]
35A        G.GCCTGGGC CTCGTGGCGG TCTTCAGCTC TGCTCCTCCT GCTTGTCCCA [SEQ ID NO: 1]
35-L1      GAGACAGGAA CATGTGGCTG CTCCCAGCTC TACTCCTTCT CTGCCTCTCA [SEQ ID NO: 5]
35H        .....GG AGGAGCTGGG ACTCTGGCTT GTGTTTCCCA [SEQ ID NO: 3]
35-L7 (AW8) TATATATTGT AGAAGATAGT CTGACCATGC TGCCCAGGCT GCTCTCAAAC [SEQ ID NO: 9]

301
35-L2      301      GGTTACTCCA TTGCCGCTAA AATCACTGGT CCAACAACAG TGAATGGCTC
35-L5      GGCTACTCCA TTGTCACTCA AATCACCGGT CCAACAACAG TGAATGGCTT
35-L4      GGCTGTTTC. ....TC CATCCAAGGC CCAGAGTCTG TGAGAGCCCC
35-L3      GGCTGTCTGA CTG..... ..TGAGTGGC CCCAGCACCG TGATGGGCGC
35A        GGCTATTTTC CTC..... ..TGAGCCAC CCCATGACCG TGGCGGGCCC
35-L1      GGCTGTTTGT CTC..... ..TGAAGGC CCCGGTCTG TGACTGGCAC
35H        GGATGTTTGT CTC..... ..TGAGCAA TGCAGGACCG TGGCGGGCCC
35-L7 (AW8) TCCTGGACTC AAGTGATCCA CCTGCCTTGG CCTCCTAAAG TGCTGGGATT

351
35-L2      351      GGAGCAGGGC TCATTGACTG TGCAGTGTGC TTATGGCTCA GGCTGGGAGA
35-L5      GGAGCGGGGC TCCTTGACCG TGCAGTGTGT TTACAGATCA GGCTGGGAGA
35-L4      AGAGCAGGGG TCCCTGACCG TTCAATGCCA CTATAAGCAA GGATGGGAGA
35-L3      CGTGGGGGAA TCCCTGAGTG TTCAGTGTG GATGAAGAC AAATACAAGA
35A        CGTGGGGGGA TCCCTGAGTG TGCAGTGTG CTATGAGAAG GAACACAGGA
35-L1      TCGGGGGGAC TCTCTGACAG TGTGGTGTCA GTATGAGAGC ATGTACAAGG
35H        CGTGGGGGGA TCCCTGAGTG TGCAGTGTCC CTATGAGAAG GAACACAGGA
35-L7 (AW8) GCAGGGGTAA GCCACCGCAC CCGGCCTACA TTTTTTTTAA ACTTTTAAAA

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Figure 1 (continued)

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35-L2      401      CCTACTTGAA GTGGCGGTGT CAAGGAGCTG ATTGGAATTA CTGTAACATC [SEQ ID NO:7]
35-L5      CCTACTTGAA GTGGTGGTGT CGAGGAGCTA TTTGGCGTGA CTGCAAGATC [SEQ ID NO:13]
35-L4      CCTACATTAA GTGGTGGTGC CGAGGGGTGC GCTGGGATAC ATGCAAGATC [SEQ ID NO:11]
35-L3      CGTTTAACAA ATACTGGTGC AGACAACCAT GCTTGCCAAAT TTGGCATGAA [SEQ ID NO:9]
35A        CCCTCAACAA ATTCTGGTGC AGACCACCAC AGATTCTCCG ATGTGACAAG [SEQ ID NO:1]
35-L1      GATATAACAA GTACTGGTGC CGAGGACAGT ACGACACGTC ATGTGAGAGC [SEQ ID NO:5]
35H        CCCTCAACAA ATACTGGTGC AGACCACCAC AGATTTTCCT ATGTGACAAG [SEQ ID NO:3]
35-L7 (AW8) AGTATCCGGT GATAAGATGG AAAGAAATAT GAGGGTCAGG GTCAGAAGTC [SEQ ID NO:9]

35-L2      451      CTTGTTAAAA CAAATGGATC AGAGCAGGAG GTAAAGAAGA ATCGAGTTTC
35-L5      CTTGTTAAAA CCAGTGGGTC AGAGCAGGAG GTGAAGAGGG ACCGGGTGTC
35-L4      CTCATTGAAA CCAGAGGGTC GGAGCAAGGA GAGAAGAGTG ACCGTGTGTC
35-L3      ATGGTGGAGA CCGGAGGGTC TGAGGGAGTG GTGAGGAGTG ACCAAGTGAT
35A        ATTGTGGAGA CCAAAGGGTC AG...CAGG AAAAGGAATG GCCGAGTGTC
35-L1      ATTGTGGAGA CCAAAGGGAG AGAGAAGGTG GAGAGGAATG GCCGCGTGTC
35H        ATTGTGGAGA CCAAAGGGTC AG...CAGG AAAAGGAACG GCCGAGTGTC
35-L7 (AW8) CTTTTTGCAG TCAGAGGGGC TGTGTCTCTG GACAGG...G TTCCAATGGG

35-L2      501      CATCAGGGAC AATCAGAAAA ACCACGTGTT CACCGTGACC ATGGAGAATC
35-L5      CATCAAGGAC AATCAGAAAA ACCGCACGTT CACTGTGACC ATGGAGGATC
35-L4      CATCAAGGAC AATCAGAAAAG ACCGCACGTT CACTGTGACC ATGGAGGGGC
35-L3      CATCAGGAC CATCCTGGAG ACCTCACCTT CACCGTGACC TTGGAGAACC
35A        CATCAGGGAC AGTCCCTGCAA ACCTCAGCTT CACAGTGACC CTGGAGAATC
35-L1      CATCAGAGAC CACCCGGAGG CTCTCGCCTT CACTGTGACC ATGCAGAACC
35H        CATCAGGGAC AGTCCCTGCAA ACCTCAGCTT CACAGTGACC CTGGAGAATC
35-L7 (AW8) CAT.GGGGAG TTGCAAGTTC TCCTGTTCAT GACTCTGTCC AAGGAGTCCT

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Figure 1 (continued)

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551      TCAAAAGAGA TGATGCTGAC AGTTATTGGT GTGGGACTGA GAGACCT... [SEQ ID NO:7]
35-L2      TCATGAAAAC TGATGCTGAC ACTTACTGGT GTGGAATTGA GAAACT... [SEQ ID NO:13]
35-L5      TCAGGCGAGA TGACGCAGAT GTTTACTGGT GTGGGATTGA AAGAAGA... [SEQ ID NO:11]
35-L4      TCACGGGCAGA CGATGCAGGA AAATACCGAT GTGGGATTGC AACAATACTG [SEQ ID NO:9]
35A      TCACAGAGGA GGACGCAGGC ACCTACTGGT GTGGGGTGA TACACCGTGG [SEQ ID NO:1]
35-L1      TCAATGAAGA TGATGCTGGA TCTTACTGGT GCAAAATTCA GACAGTGTGG [SEQ ID NO:5]
35H      TCACAGAGGA GGATGCAGGC ACCTACTGGT GTGGGGTGA TACACCGTGG [SEQ ID NO:3]
35-L7 (AW8) CCAAGGCCTG TTCACCCAGA GGATAGCACC GAGTATGCTC AGGAGCAGAG [SEQ ID NO:9]

601      ...GGAATTG ATCTTGGGGT CAAAGTTCAA GTGACCATTG ACCCAGC.TC
35-L2      ...GGAATG ACCTTGGGGT CACAGTTCAA GTGACCATTG ACCCAGCACC
35-L5      ...GGACCTG ACCTTGGGAC TCAAGTGAAA GTGATCGTTG ACCCAGAGGG
35-L4      CAGGAAGATG GCCTGTCTGG TTTCCCTGCC GATCCCTTCT TCCAGGTTCA
35A      CTCCGAGACT TTCAITGATCC CATTGTCGAG GTTGAGGTGT CCGTGTTCCT
35-L1      GTCCCTGGATT CATGGTCACG CGATCCCCTCG GACCTGGTTA GGGTGTATGT
35H      CTCCGAGACT TTCATGATCC CGTTGTCTGAG GTTGAGGTGT CCGTGTTCCT
35-L7 (AW8) GCACCTTCAG GAGTGGCAGA AG.....

651      AGTGCCTGAG TCTGTTGCCC ACAGATGAC..AGGGTGATG GTTCCAGTTT
35-L2      AGTCACCCAA GAAGAAACTA GCAGCTCCCC AACTCTGACC GGCCACCCT
35-L5      AGCGGCTTCC ACAACAGCAA GCTCACCTAC CAACAGCAAT ATGGCAGTGT
35-L4      AGTGTGGTC TCATCGGCCT CCAGTACTGA GAACTCTGTG AAGACACCTG
35-L3      GGCCGGGACG ACCACAGCCT CCAGCCCCCA GAGCTCCATG GGCACCTCAG
35A      TTCCCCAGCA ATTACAACCC CAAG.....GAGGACCACA CATCCAGCCA
35-L1      GGCATCAACG TCAATGACAC CTGCAAGTAT CACTGCGGCC AAGACCTCAA
35H      .....
35-L7 (AW8) .....

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Figure 1 (continued)

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35-L2      701      CAGCCACACAG GCCAAA..... ..GGGACCCC CTTCCCTGGT AACCAGAGAC [SEQ ID NO:7]
35-L5      TGGACAACAG GCACAAGCTC CTGAAGCTCA GTGTCTCTCT GCCCCTCATC [SEQ ID NO:13]
35-L4      TCATCGGCTC CCACAAGAGG AACCACTACA TGCTCCTGGT ATTTGTGAAG [SEQ ID NO:11]
35-L3      CATCTCCAC CAGGC..... ..GTGCACACCT GGCCAGCGT GACCAGAAAG [SEQ ID NO:9]
35A        GTCCCTCCAC GAAGCTGCCC GTGCACACCT GGCCAGCGT GACCAGAAAG [SEQ ID NO:1]
35-L1      CACCTCCCAT CTTCCTGGTG GTGAACCCCTG GCGAAACCT CAGCACCAGG [SEQ ID NO:5]
35H        CA.ATCACAA CTGCATTCC ACCTGTATCA TCCACTACCC TGTTTGCAGT [SEQ ID NO:3]
35-L7 (AW8) ..... ..TCCACTACCC TGTTTGCAGT [SEQ ID NO:9]

35-L2      751      CCCAATCCCT GCCAGTGCCT TCTTGGAA.. ..CTTCT TTA..... 800
35-L5      TTCACCATAT TGTGTCTGCT TTTGGTGG.. ..CCGCC TCACTCTTGG
35-L4      GTGCCCATCT TGCTCATCTT GGTCACTG.. ..CCATC CTCTGGTTGA
35-L3      ..... ..CCAGCCA ATGCCAAGG. ....G TCCCTGCCCA
35A        GACAGCCCCG AACCAGCCCC ACACCCTGG. ....C TCCCTGTTCA
35-L1      GA.....GG TGTGACCCA AAATTCAGG. ....G TTCCGGCTCA
35H        GGTGCCACC CACAGTGCCA GCATCCAGGA GGAAACTGAG GAGGTGGTGA
35-L7 (AW8) ..... ..GATCCAGGA GGAAACTGAG GAGGTGGTGA

35-L2      801      CTTGGAGGAT GATGAAGTAC CAGCAGAAAG GTGAGAGGAC CTGGGTACTG
35-L5      AGGGTCTCA GAGGTCCCT GAGGAGCCAG GGAACAGCC TATCTACATG
35-L4      GCAGCACCCTG CTTCCTGCTT CTCCCACTCC TGAAGGTGCC TCTGCTCCTG
35A        GCAATGTCCG CTTCCTGCTC CTGGTCTCT TGGAGCTGCC CCTGCTCCTG
35-L1      GCAGCCCTCA CTTCCTGCTC GTGGTCTTC TGAAGCTGCC CCTGCTCCTG
35H        ACTCACAGCT CCCGCTGCTC CTCTCCCTGC TGGCATTGTT GCTGCTTCTG
35-L7 (AW8) ..... ..TGGCATTGTT GCTGCTTCTG

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Figure 1 (continued)



35-L2	1001	.....	.....	.....	.....	.....	1050	
35-L5	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:7]
35-L4	GGCCTCCGC	CCTGGCCTTG	GAGCTGGTGG	GCACCTCCCT	GTTCTGCACA	.....	.....	[SEQ ID NO:13]
35-L3	GACTTCTGAC	CCTGACCCCTC	ATATTCTTT	CCATCTTATC	ACCCGGATAC	.....	.....	[SEQ ID NO:9]
35A	GACTGGAATG	ACCTCCTGAC	CATCAAGGCC	TGCAACAGAG	CCCCTCTGGG	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:5]
35H	GAAAAGCCAG	CACCACCAAG	GGAGGTGGAG	GTGGAATACA	GCACTGTGGC	.....	.....	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35-L2	1051	.....	.....	.....	.....	.....	1100	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	GCTCAGGGAC	TTAGCCAGGT	CCTCTCCTGA	GCCACCATCA	CCTCCTGGGG	.....	.....	
35-L3	TTTTTAAAG	TAAAAAAG	AATGTAGGCC	GGGTGCGGTG	GCTTACACCT	.....	.....	
35A	GGACTGGAAT	GACCTCCTGA	CCACTCCCTC	CCGGGCTGCT	CTCTCCAACA	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	CTCCCCCAGG	GAAGAACTTC	ACTATGCCTC	GGTGGTGTTC	GATTCTAACA	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	
35-L2	1101	.....	.....	.....	.....	.....	1150	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	TGCCAGCACC	TGTTCTCTTG	GTCAGGAGCT	GTAGAGATGG	AGCTCAAGCA	.....	.....	
35-L3	GCAATCCCAG	CACCTTGGGA	GGCCAAGGCA	AGGTGGATCA	CTTGAGTCCA	.....	.....	
35A	TCTCCTGGAA	TCCTTTGTGA	GCCTCCTTCA	GCCTTTTCCC	TGTGCCCGAT	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	CCAACAGGAT	AGCTGCTCAG	AGGCCTCGGG	AGGAGGAACC	AGATTCAGAT	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	

Figure 1 (continued)



35-L2	1151	.....	.....	.....	.....	.....	1200	[SEQ ID NO:7]
35-L5	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:13]
35-L4	CTGGACGACT	CTGTCCCCAC	TGCTGGAATA	ACTCGGGCAC	AGACCATGGG	.....	.....	[SEQ ID NO:11]
35-L3	GGGAAGTTTG	AGAGCCTGGG	CAGCATGGTC	AGACCTCATC	TCTACAAAAA	.....	.....	[SEQ ID NO:9]
35A	CCAACATGTG	ACACATGAGG	ACTTTAGAGC	ACAATGGATC	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:5]
35H	TACAGTGTGA	TAAGGAAGAC	ATAGGCTTTT	GTCCTGCCTC	GCCATCGGAG	.....	.....	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35-L2	1201	.....	.....	.....	.....	.....	1250	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	ACCAAAGTAC	AGAAAGAGGT	TGGGGGAGAC	CCCCCCAGCC	CTAGACTTCC	.....	.....	
35-L3	AAAAAAAAAA	G	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	CTCTCATGGG	CCCCAGGAAG	TCCAGGGACA	GCTCCCTTAT	ACCTGGCCCA	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	
35-L2	1251	.....	.....	.....	.....	.....	1300	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	ATCATTCGG	AGACCAACTC	AACACCGTCT	TTGCCTGAGA	ACCTGATATA	.....	.....	
35-L3	.....	.....	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	CGTCCTTCTC	AGCCTGCCCT	CGACAACAGT	GACCAACAGA	CAGGCAGCTG	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	

Figure 1 (continued)

35-L2	1301	.....	.....	.....	.....	.....	1350	[SEQ ID NO:7]
35-L5	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:13]
35-L4	TCCGTGTTTT	TAAATTTTT	TTTTTCTAGC	AAAGTTGGGT	TTTAATGACT	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35A	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:5]
35H	GGTTTCCCAG	GCCATCCCTC	TGTTGCCATC	AGCTTGATTG	GCTTCCCCGA	.....	.....	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35-L2	1351	.....	.....	.....	.....	.....	1400	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	TATGTTTCATA	GGAAACCTCT	CTGATCCCAC	ACACAAGGAG	GGTGATTCTG	.....	.....	
35-L3	.....	.....	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	GGGCCAGCAG	GGCTGGGGC	TCCGGAGAGC	AGCAGGAAGC	ACTCCCAGCC	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	
35-L2	1401	.....	.....	.....	.....	.....	1450	
35-L5	.....	.....	.....	.....	.....	.....	.....	
35-L4	GGATGAGTTC	CTGGTTCTAG	GGCATGAGGG	GCTGGATGGA	CCCTGTCCCC	.....	.....	
35-L3	.....	.....	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	.....	.....	
35H	ACCAGTGCCT	GTCGCCCTCT	TCCCCCTTGC	CCCTGCTTCA	TCCCAGCTCT	.....	.....	
35-L7 (AW8)	.....	.....	.....	.....	.....	.....	.....	

Figure 1 (continued)

35-L2	1451	.....	.....	.....	1550	[SEQ ID NO:7]
35-L5	.....	.....	.....	.....	.....	[SEQ ID NO:13]
35-L4	AGGAGGACA	TGGCTCTGAG	TCCACAGGGC	TGAGGAGGCA	ATGGGAACCT	[SEQ ID NO:11]
35-L3	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35A	.....	.....	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	.....	.....	[SEQ ID NO:5]
35H	GTGTGTGGAG	GACAAAGCTT	CTTCCTGCGT	GGCTCCAGGA	AAAGATGTGG	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35-L2	1501	.....	.....	.....	1550	
35-L5	.....	.....	.....	.....	.....	
35-L4	CCCTGGCCCG	GCCCCGGT	.....	.....	.....	
35-L3	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	
35H	CTCACGTAGG	TGGCACCTGC	CAATAGCTTT	GTCAATCACA	GCCCCATAGG	
35-L7 (AW8)	.....	.....	.....	.....	.....	
35-L2	1551	.....	.....	.....	1600	
35-L5	.....	.....	.....	.....	.....	
35-L4	.....	.....	.....	.....	.....	
35-L3	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	
35H	AACGCTCGGA	ATTGCTTGGG	AGTTGGGGAG	AACTGTCAAG	AAGAGTGAAG	
35-L7 (AW8)	.....	.....	.....	.....	.....	

Figure 1 (continued)

35-L2	1601	1650	[SEQ ID NO:7]
35-L5	.....	.....	[SEQ ID NO:13]
35-L4	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	[SEQ ID NO:9]
35A	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	[SEQ ID NO:5]
35H	AGAGTGCCAA AGCGGAGATC TGTTCACTG GGGGCCATGG AGGGGGGACC		[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	[SEQ ID NO:9]
35-L2	1651	1700	
35-L5	.....	.....	
35-L4	.....	.....	
35-L3	.....	.....	
35A	.....	.....	
35-L1	.....	.....	
35H	CACTAAAGAT CAAGATCAA GATTCTCCCC ATCTCACAGA CAAGGAAACT		
35-L7 (AW8)	.....	.....	
35-L2	1701	1750	[SEQ ID NO:7]
35-L5	.....	.....	[SEQ ID NO:13]
35-L4	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	[SEQ ID NO:9]
35A	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	[SEQ ID NO:5]
35H	GAGGCCAGAG GGAGGAGAGA ATTGCTCATG GCTCCAGAAC TGGTGGCAAG		[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	[SEQ ID NO:9]

Figure 1 (continued)

35-L2	1751	.....	.....	.....	1800	[SEQ ID NO:7]
35-L5	.....	.....	.....	.....	.....	[SEQ ID NO:13]
35-L4	.....	.....	.....	.....	.....	[SEQ ID NO:11]
35-L3	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35A	.....	.....	.....	.....	.....	[SEQ ID NO:1]
35-L1	.....	.....	.....	.....	.....	[SEQ ID NO:5]
35H	TTTCTCTGGA	CTCTTAGGTT	TATTTTAAAT	ATGAAATATA	AAAAACAGTTT	[SEQ ID NO:3]
35-L7 (AW8)	.....	.....	.....	.....	.....	[SEQ ID NO:9]
35-L2	1801	.....	.....	.....	1841	
35-L5	.....	.....	.....	.....	.....	
35-L4	.....	.....	.....	.....	.....	
35-L3	.....	.....	.....	.....	.....	
35A	.....	.....	.....	.....	.....	
35-L1	.....	.....	.....	.....	.....	
35H	CAAATATCTT	ATTGAGGGAG	AAGTAAAAAC	TTATTAAAC	A	
35-L7 (AW8)	.....	.....	.....	.....	.....	

Figure 1 (continued)

PileUp of: @/home/mmri00/Georgina/.WAG/pileup-26028.26030

Symbol comparison table: GenRunData:pileuppep.cmp CompCheck: 1254

GapWeight: 3.000  
GapLengthWeight: 0.100

pileup.msf MSF: 336 Type: P September 4, 19102 09:05 Check: 3277 ..

Name: 35-L5	Len: 336	Check: 3658	Weight: 1.00
Name: 35-L2	Len: 336	Check: 8520	Weight: 1.00
Name: 35-L4	Len: 336	Check: 6004	Weight: 1.00
Name: CMRF-35A	Len: 336	Check: 8028	Weight: 1.00
Name: CMRF-35H	Len: 336	Check: 6906	Weight: 1.00
Name: 35-L1	Len: 336	Check: 3613	Weight: 1.00
Name: 35-L3	Len: 336	Check: 6548	Weight: 1.00

//

35-L5	1	.....MPLL	TLYLLEFWLS	GYSIVTQITG	PTTVN....G	LERGSLTVQC	[SEQ ID NO:14]
35-L2		.....MWL	SPALLLLILP	GYSIAAKITG	PTTVNGSEQG	SEQGSLTVQC	[SEQ ID NO:8]
35-L4		.....MWL	PPALLLLSLS	GCF...SIQG	PESV....RA	PEQGSLTVQC	[SEQ ID NO:12]
CMRF-35A		MTARAWASWR	SSALLLLLV	GYF...PLSH	PMTVA....G	PVGGSLSVQC	[SEQ ID NO:2]
CMRF-35H		.....MWL	PWALLLLWVP	GCF...ALSK	CRTVA....G	PW.GSLSVQC	[SEQ ID NO:4]
35-L1		.....MWL	LPALLLLCLS	GCL...SLKG	PGSVT....G	TAGDSLTVWC	[SEQ ID NO:6]
35-L3		.....ML	PSALLLLCVP	GCL....TVSG	PSTVM....G	AVGESLSVQC	[SEQ ID NO:10]

Figure 2

35-L5	51	VYRSGWETYL	KWCRGAIWR	DKILVKTS	SEQEVKRDRV	SIKDNQKNRT	[SEQ ID NO:14]
35-L2		AYGSGWETYL	KWRCQGADWN	YCNILVKING	SEQEVKKNRV	SIRDNQKNHV	[SEQ ID NO:8]
35-L4		HYKQGWETYL	KWCRGVRWD	TKILIIETRG	SEQGEKSDRV	SIKDNQKDRT	[SEQ ID NO:12]
CMRF-35A		RYEKEHRTL	KFWCRPPQIL	RCDKIVETKG	SAG.KRNGRV	SIRDSPANLS	[SEQ ID NO:2]
CMRF-35H		PYEKEHRTL	KYWCRPPQIF	LCDKIVETKG	SAG.KRNGRV	SIRDSPANLS	[SEQ ID NO:4]
35-L1		QYESMYKGYN	KYWCRGQYDT	SCESIVETKG	EKVERNGRV	SIRDHPEALA	[SEQ ID NO:6]
35-L3		RYEDKYKTFN	KYWCRQPCLP	IWHEMVGTT	SEGVVRSQV	IITDHPGDLT	[SEQ ID NO:10]
35-L5	101	FTVTMEDLMK	TDADTYWCGI	EKT.....	..GNDLGVT	QVTIDPA...	
35-L2		FTVTMENLKR	DDADSYWCGT	ERP.....	..GIDLGKV	QVTINPAQCL	
35-L4		FTVTMEGLRR	DDADVWCGI	ERR.....	..GPDLTQV	KVIVDPEGAA	
CMRF-35A		FTVTLENLTE	EDAGTYWCGV	DTPWLRD...	..FHDPIVEV	EVSVPFAGTT	
CMRF-35H		FTVTLENLTE	EDAGTYWCGV	DTPWLRD...	..FHDPVVEV	EVSVPFASST	
35-L1		FTVTMQNLNE	DDAGSYWCKI	QTVWVLDWS	...RDPSDLV	RVYVSPAITT	
35-L3		FTVTLENLTA	DDAGKYRCGI	ATILQEDGLS	GFLPDFFQV	QVLVSSASST	
35-L5	151	.....	.PVTQE....	.....	.ETSSSPTLT	GHHLDNRHKL	
35-L2		SLLPTDDRRM	VPVSAH....	.....	.RPKGPPSLV	TRDPNQCQCL	
35-L4		S	TTASSP....	.....	.TNSNMAVFI	GSHKRNHYML	
CMRF-35A		TASSPQSSMG	TSGPPTKLPV	...HTWPSVT	RKDSPEPSPH	PGSLFSNVRF	
CMRF-35H		MTPASITAAG	TSTITTAFFP	VSSTTLFAVG	ATHSASIQEE	TEEVVNSQLP	
35-L1		.....	P	RRTHPATPP	IFLVNPNPGRN	LSTREVLTON	
35-L3		.....	E	NSVKTPASP.	.....	..TRPSQCQG	
						S..LPSSTCF	

Figure 2 (continued)

35-L5	201	LKLSVLLPLI	FTILLLLVA	ASLLAWMMK	YQKGERTWV	LQPLEGDLCY	250	[SEQ ID NO:14]
35-L2		LGTSL.....	.....	.....	.....	.....		[SEQ ID NO:8]
35-L4		L V F V	KVPILLILVT	AILWLKGSQR	VPEEPGEQPI	YMNFSSEPLTK		[SEQ ID NO:12]
CMRF-35A		LLLVLELPL	LL...SMLG	AVLWVNRPPQR	S.....SRSR	QNWPKGENQ*		[SEQ ID NO:2]
CMRF-35H		LLSLLALLL	LLLVGASLLA	WRMFQKWKW	IKAGDHSELS	QNPQAATQS		[SEQ ID NO:4]
35-L1		LLVLLKLPL	LL...SMLG	AVFWVNRPPQW	APPGR*....	.....		[SEQ ID NO:6]
35-L3		LLPLLLKVPL	LL...SILG	AILWVNRPWR	TPWTES*....	.....		[SEQ ID NO:10]
35-L5	251	ADLTQLAGT	SPQKATTKLS	SAQVDQVEVE	YVTMASLPKE	DISYASLTG	300	
35-L2		.....	.....	.....	.....	.....		
35-L4		DMAT*.....	.....	.....	.....	.....		
CMRF-35A		.....	.....	.....	.....	.....		
CMRF-35H		ELHYANLELL	MWPLQKPPAP	PREVEVEYST	VASPREELHY	ASVVFDSNTN		
35-L1		.....	.....	.....	.....	.....		
35-L3		.....	.....	.....	.....	.....		
35-L5	301	AEDQEPTYCN	MGHLSSHLPG	RGPEEPTEYS	TISRP*		336	
35-L2		.....	.....	.....	.....	.....		
35-L4		.....	.....	.....	.....	.....		
CMRF-35A-protein		.....	.....	.....	.....	.....		
CMRF-35H-protein		RIAAQRPREE	EPDSDYSVIR	KT*	.....	.....		
35-L1		.....	.....	.....	.....	.....		
35-L3		.....	.....	.....	.....	.....		

Figure 2 (continued)



Cells	35-L1	35-L2	35-L3	35-L4	35-L5
CD3 T lymphocytes	-	?	-	-	-
CD19 B lymphocytes	-	?	+	+	+
CD15 Granulocytes	-	?	-	-	-
CD16 NK cells	-	?	-	-	-
CD14 Monocytes	+	?	+	+	+
Lin- DC	-	?	+	+	+
CD11c+ Myeloid DC	-	?	ND	ND	-
CD11c- Lymphoid DC	-	?	ND	ND	-
MoDC	-	?	+	+	+
MoDC + LPS	-	?	+	+	+
PBMC	+	?	+	+	+

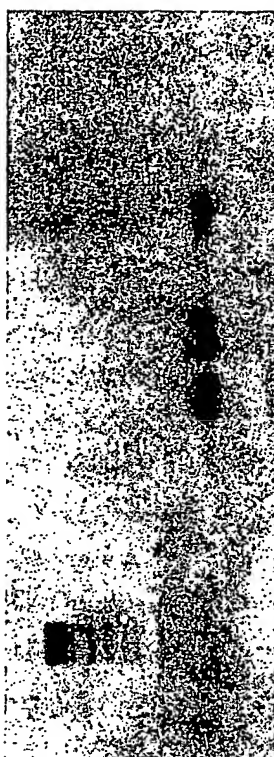
Figure 3

	35-L1	35-L2	35-L3	35-L4	35-L5
Jurkat	-	?	-	-	-
HSB	-	?	-	+	-
Molt4	-	?	-	-	-
Daudi	-	?	+	+	+/-
Raji	-	?	+	-	?
Mann	-	?	-/+	+	-
Wt49	-	?	+	+	-
KG1	-	?	-	-	+
Hel	-	?	+	+	+
HL60	-	?	+	+	+

**Figure 3(continued)**

	35-L1	35-L2	35-L3	35-L4	35-L5
NB4	-	?	-	-	-
Thp1	-	?	-	-	-
Monomac6	-	?	=	-	-
U937	+	?	+	+	+
K562	-	?	+	-	-
L428	-	?	=	-	-
HDLM-2	-	?	+	-	-
KM-H2	-	?	+	-	-

**Figure 3(continued)**



**Figure 4**

PileUp of: @/home/mmri00/Georgina/.WAG/pileup-16229.16245

Symbol comparison table: GenRunData:pileupdna.cmp    CompCheck: 6876

                    GapWeight: 5.000

                    GapLengthWeight: 0.300

pileup.msf    MSF: 2554    Type: N    September 6, 19102 14:32    Check: 8705 ..

Name: m35-hRNA            Len: 2554    Check: 4672    Weight: 1.00

Name: m35ge-RNA           Len: 2554    Check: 5363    Weight: 1.00

Name: m35-dRNA            Len: 2554    Check: 3690    Weight: 1.00

Name: m35-frNA            Len: 2554    Check: 2914    Weight: 1.00

Name: m35-aRNA            Len: 2554    Check: 1598    Weight: 1.00

Name: m35c1RNA            Len: 2554    Check: 468     Weight: 1.00

//

	1	50	
m35-hRNA	.....	.....	GAAGTTAC [SEQ ID NO:23]
m35ge-RNA	.....	...CGGGAAG TGGCTAAAGG	AGGAAGTGCC [SEQ ID NO:25]
m35-dRNA	.....	.....	..... [SEQ ID NO:19]
m35-frNA	AGGAAGTAGC TCAGAGTGCA	AAGGAAGCAG ATAAGAAAAA	AACACATGGA [SEQ ID NO:21]
m35-aRNA	.....	.....	..... [SEQ ID NO:15]
m35c1RNA	.....	.....	..... [SEQ ID NO:17]

Figure 5

51	m35-hRNA	TGAGAGAAAGT	GAACAAGAGA	GACCTAAAGG	CAACTCAAGC	TGAGCTGCCA	[SEQ ID NO:23]
	m35ge-RNA	GAGTGAGAGT	GAGGGAACC	ACAGGACCAG	GAGACGCAGG	AGTGGAGCAT	[SEQ ID NO:25]
	m35-dRNA	.....	.....	.....	.....	.....	[SEQ ID NO:19]
	m35-frNA	GAGAACTTGA	ACAAGAAGGT	GGTTGCCCTGG	GCTCTGTTAC	ACACATCTGG	[SEQ ID NO:21]
	m35-aRNA	.....	.....	.....	...CAGCCCG	GCAGAAAGCTA	[SEQ ID NO:15]
	m35c1RNA	.....	.....	.....	.....	.....	[SEQ ID NO:17]
101	m35-hRNA	GTCCCTCACAG	GGTCCTGACA	TCTGTCGTCA	ACAAGGACAT	GAGAGGAGAC	
	m35ge-RNA	GTAGCCTGTT	CTCGCTGGCA	GGCTCCACCA	AGGTGACCCG	GTGTGAGAAG	
	m35-dRNA	.....	.....	.....	.....	.....	
	m35-frNA	ATTCCAGCAG	CGACCTGGAG	TTTTCTGGAG	ACAGTACCCA	GTGAG.GCAG	
	m35-aRNA	AAGCTCAGAA	GAGCTCCCAA	TTGCAGGCCAA	CTGCAGTGC	CAGCACCCAC	
	m35c1RNA	.....	.....	.GAAATGACC	CAACTGGCCT	CAGCTGTGTG	
151	m35-hRNA	GACCATGTGG	CAGTTCTCTG	CTCTACTCCT	ATTCTTCCTC	CCAGGCTGCT	
	m35ge-RNA	ATGCATTGT	CATTGCT.GG	TCCCCTTTCT	CTCTGGATC	ACAGGCTGCT	
	m35-dRNA	....ATGTGG	CTGTCCCCAG	CTTTGCTTCT	TCTCAGTTT	CCAGGCTGCC	
	m35-frNA	GAGGATGAGG	CTATGTGCAG	GTCTGCTCCT	TCTCTGCTTC	CAAGGTTGTT	
	m35-aRNA	CATGAGGCCT	CTGGTCCCTGC	TATGGGGCTG	CCTGGTGCTC	CCAGGTTAT.	
	m35c1RNA	GCTGCCCCACG	CTGTTGCTGC	TGCTGCTGCT	TTTTTGGCTT	CCAGGCTGT.	

Figure 5 (continued)

m35-hRNA	201	GCACGGCTCA	GGATTGAGTC	ACAGGTCCAG	AGGAGGTGAG	CGGTCAGGAG	250	[SEQ ID NO:23]
m35ge-RNA		GCACGGCTGA	GGATCCAGTC	ACAGGTCCAG	AGGAGGTGAG	CGGTCAGGAG		[SEQ ID NO:25]
m35-dRNA		TC.....	....TCCATC	CAAGGCCCCAG	CATTGGTGAG	GGGTCCAGAG		[SEQ ID NO:19]
m35-frNA		T.....	...GTCTCTG	ACGGGCCCTG	GCTCTGTGTC	TGGCTACGTA		[SEQ ID NO:21]
m35-aRNA		.....	.GAAGCCCTG	AAGGGTCCAA	AGGAGATCAG	TGGATTGAA		[SEQ ID NO:15]
m35c1RNA		.....	.GTCCCTCTG	CATGGTCCCA	GCACCATGAC	AGGAAGTGTG		[SEQ ID NO:17]
m35-hRNA	251	CAGGGCTCCT	TGACAGTGCA	GTGCAGATAT	TCCTCATACT	GGAAGGGTTA	300	
m35ge-RNA		CAGGGCTCCT	TGACAGTGCA	GTGCCGATAT	ACCTCAGGCT	GGAAGGATTA		
m35-dRNA		CAGGGGTCAG	TGACTGTGCA	ATGTCGCTAT	AGCTCAAGAT	GGCAAACCAA		
m35-frNA		GGAGGCTCTC	TCCGTGTGCA	GTGTCAATAT	AGTCCATCAT	ATAAGGGCTA		
m35-aRNA		GGTGACACCG	TGTCCCTGCG	GTGTACCTAC	GTGGAGAAGA	TGAAGGAGCA		
m35c1RNA		GGTCAATCCC	TGAGTGTGTC	GTGTCAGTAT	GAGGAGAAAT	TTAAGACTAA		
m35-hRNA	301	CAAGAAGTAC	TGGTGCCG..	.AGGAGTTCC	TCAGAGATCA	TGTGATATTC	350	
m35ge-RNA		CAAGAAGTAC	TGGTGCCA..	.AGGAGTTCC	TCAGAGATCA	TGTAAGACTC		
m35-dRNA		CAAGAAGTGG	TGGTGCCG..	.GGGAGCAAG	CTGGAGCACT	TGCAGGGTCC		
m35-frNA		TATGAAATAC	TGGTGCCG..	.AGGACCCGA	TGACACGACG	TGTAATACTA		
m35-aRNA		CAGGAAGTAT	TGGTGCCGGC	AGGGTGGCAT	CCTGGTGTCA	CGCTGCGGTG		
m35c1RNA		GGACAAATAC	TGGTGC....	.AGAGGGTC	ACTTAAGGTA	CTGTGCAAAAG		

Figure 5 (continued)

m35-hRNA	351	TTGTTGAAAC	CGATAAATCA	GAGCAGCTGG	TGAAGAAGAA	CCGTGTGTCC	400	[SEQ ID NO:23]
m35ge-RNA		TTGTTGAAAC	CGATGCATCA	GAGCAGCTGG	TGAAGAAGAA	CCGTGTGTCC		[SEQ ID NO:25]
m35-dRNA		TCATCCGATC	CACTGGGTCA	GAGAAAGAAA	CGAAGAGCGG	CCGGCTGTCC		[SEQ ID NO:19]
m35-frNA		TTGTAGAAAC	CGACGGAAGT	GAGAAAGAAA	AGAGGAGTGG	CCCAGTGTCC		[SEQ ID NO:21]
m35-aRNA		ACATTGTCTA	CGCAAAATCAG	GACCAGGAGG	TGACTCGAGG	CAGGATGTCC		[SEQ ID NO:15]
m35c1RNA		ATATTGTCAA	GACCAGCAGC	TCAGAAGAAG	CTAGGAGTGG	CAGAGTGACC		[SEQ ID NO:17]
m35-hRNA	401	ATCAGGGACA	ACCAGAGAGA	CTTCATCTTC	ACAGTGACCA	TGGAGGATCT	450	
m35ge-RNA		ATCAGGGACA	ACCAGAGAGA	CTTCATCTTC	ACAGTGACCA	TGGAGGATCT		
m35-dRNA		ATCAGGGACA	ATCAGAAAAA	TCACTCATTC	CAGGTACCA	TGGAGATGCT		
m35-frNA		ATCAGAGACC	ATGCTGCGAA	CTCCACCATC	ACAGTGATCA	TGGAGGACCT		
m35-aRNA		ATCCGAGACA	GTCCCAAGA	GCTCTCGATG	ACCGTGATCA	TGAGGGACCT		
m35c1RNA		ATCAGGGACC	ATCCAGACAA	CCTCACCTTT	ACAGTGACCT	ATGAGAGCCT		
m35-hRNA	451	GAGGATGAGC	GATGCTGGCA	TTTACTGGTG	TGGAATTACG	AAAGGTGGAC	500	
m35ge-RNA		GAGGATGAGC	GATGCTGGCA	TTTACTGGTG	TGGAATTACG	AAAGTGCCAA		
m35-dRNA		CAGGCAAAAT	GACACGGACA	CTTACTGGTG	TGGTATTGAA	AAGTTCGGAA		
m35-frNA		TAGCGAAGAC	GATGCTGGGT	CTTACTGGTG	CAAGATTCAG	A.....		
m35-aRNA		TACCCTGAAG	GATTCAGGGA	AGTACTGGTG	TGGGATTGAC	AGACTGGGCC		
m35c1RNA		CACCCTGGAG	GATGCAGACA	CCTACATGTG	TGCCGGTGGAT	ATATCACTTT		

Figure 5 (continued)



501  
 m35-hRNA CTGATCCCAT GTTTAAAGTT AATGTGAACA TTGACCAAGC CCCAAAAGT [SEQ ID NO:23]  
 m35ge-RNA CCATGCCCCC CATCACCTCC ACCACCACCA TCTTCACAGT GACAACCACA [SEQ ID NO:25]  
 m35-dRNA CTGACCGTGG GACCAGAGTT AAAGTGAACG TCTACTTCGG CCATATGCAG [SEQ ID NO:19]  
 m35-frNA ..... TTTTGAAGTT AACTCAATTG TCTTTCAGG GAGCTCCCGT [SEQ ID NO:21]  
 m35-aRNA GCGATGAGTC TTTTGAAGTT AACTCAATTG TCTTTCAGG GAGCTCCCGT [SEQ ID NO:15]  
 m35c1RNA TTGATGGCTC .CTTGGGGTT CGATAAGTAC TTCAAGATTG AGTTGTCTGT [SEQ ID NO:17]

551  
 m35-hRNA TCAATGATG. ....ACCA CCACAGCCAC A.GTTCTGAA ATCCATACAA 600  
 m35ge-RNA GTAAAAGAG. ....ACCA .....GC A.TGTTCCA ACGCTGACTA  
 m35-dRNA ACCTTCTTC. ....AGTT CAGCAGCCAC ACTGACTCCT GAGAGGGCAG  
 m35-frNA GGATTCGTG. ....GTCA CGTGATCCAT CGGTCAGCGT AAGGTGAAT  
 m35-aRNA CCAGTCGTCT GGCTGCCCT TACCACACCA CAGGACTCCA GGGCTGTAGC  
 m35c1RNA GGTTCCAAGT GAGGACCCAG GACCAACACT AGAGACACCT GTGGTGTCCA

601  
 m35-hRNA CCAAGCGCTG AGAACACTGG CAAGGAACAA GTGACTCAGA GCAAAGAAAGT 650  
 m35ge-RNA GCTACTACTC TGATAACGGG CATGGCGGTG GTGACAGTGG CGGTGGTGAA  
 m35-dRNA CAGAGATGTG GGTAAGATA CCATGTCGAC TTCTAATCAA CTTCCCTGGC  
 m35-frNA GTTTTTCAG TGAATTCTGG GCAGAACCCTG AGGATTAGTA CTAATGTGAT  
 m35-aRNA CAGCAGTGTC TCCAAGCCCC GTGTGTCCAT CCCGATGGTC CGCATGATGG  
 m35c1RNA C....CAGTC TGCCTACCAA GGTCCCCGCC CTAGGATCCA ACACAGAGGA

**Figure 5 (continued)**

m35-hRNA	651	GACTCAGAGC	AGGCCCCACACA	CCAGGTCCCT	GCTGAGCAGC	ATCTACTTCC	700	[SEQ ID NO:23]
m35ge-RNA		GATGGCGTCG	GTGATGGGTT	TCTGGATCTC	AGTGTGCTCC	TCCAGTCAT		[SEQ ID NO:25]
m35-dRNA		CCACTGTGGA	CGGCAGTACA	GACATGGTGT	CTTCTGACTT	GCAGAAAGAG		[SEQ ID NO:19]
m35-frNA		.....GTTT	ATCTTCCAAC	TGTGGTCCCT	GCTCAGCAGC	ATCCAGTTCC		[SEQ ID NO:21]
m35-aRNA		CCCCAGTCCT	GAT.ACTCTT	GTCCCTGCTG	TTGGCTGCAG	GACTAATTGC		[SEQ ID NO:15]
m35c1RNA		CCGCCGTGAG	CATGACTATT	CCCAGGGCTT	GAGGCTCCCA	GCGCTGTTGT		[SEQ ID NO:17]
m35-hRNA	701	TGCTGATGGT	CTTTGTGGAG	TTACCCCTGC	TCCTGA....	..GCATGCTC	750	
m35ge-RNA		CTCTGCAG..	..TCCTGTTG	CTTCTCCTGT	TGGTG....	..CCTCGCTC		
m35-dRNA		ACTTGAAGCC	AGTCTAGTTG	GGCCCTTTGT	GGTGGGCTG	ATGCAAGTTC		
m35-frNA		AGGTCCTGGT	CTTCCTGAAG	CTGCCCTCTGT	TTCTGA....	..GCATGCTC		
m35-aRNA		CTTTGGCAG.	...CCACATG	CTCCGGTGG	GAAAGAAAGC	TTGGCTGGCC		
m35c1RNA		CTGTGTTAGC	TCTCCTGCTG	TTTCTGTTGG	TGGGACCTC	TCTGCTGGCC		
m35-hRNA	751	AGTGCTGTCC	TCTGGGTGAC	CAGGCCTCAG	AGATGCTTTG	GGAGAGGTGA	800	
m35ge-RNA		TTTGCTTGA	GGATGGTGAG	GAGACAGAAG	A.....	.AAGACCTGT		
m35-dRNA		CTTCCTGTTC	TCTGGCCGTC	GCCATCTTTA	CCTTCGTGCT	AACACTGACT		
m35-frNA		TGTGCTATCT	TCTGGGTGAA	CAGACTTTAG	GGGTTCCCTG	GGGGCAATGT		
m35-aRNA		ACAGAGACAC	AGAAGAACGA	GAAGGTCTAC	CTTGAAACCT	CGCTGCCAGG		
m35c1RNA		TGAGGATGT	TCCAGAAGCG	GCTGGTCAA.	.....	AGCTGATAGG		

Figure 5 (continued)

801  
 m35-hRNA  
 m35ge-RNA  
 m35-dRNA  
 m35-frNA  
 m35-aRNA  
 m35c1RNA  
 850  
 AAATGACCTG GTGAAGACCC ATAGTCCTGT TGCCTAGGAT AGAGAGAAAC [SEQ ID NO:23]  
 CCTGAAGCA GCCCAGAAC TCCCCTGGCT CCTCTTGGAA AAAGGGCTCC [SEQ ID NO:25]  
 CCTCCTAGTT CCAGGAAGC ACACAGCAC CCGTCATCAC ACTCAGCCCC [SEQ ID NO:19]  
 AGAGTGACCC ATCCAAGAAC TATGAAGTGA AGCATCCCA. GGAATGCCCT [SEQ ID NO:21]  
 GAACGGCTGG ACCACTGAAG ACTCGACGAT AGACCTTGCA GTGACTCCTG [SEQ ID NO:15]  
 CATCCAGAGC TGTCCCAGAA CCTCAGACAG GCTTCTGAGC AGAATGAGTG [SEQ ID NO:17]

851  
 m35-hRNA  
 m35ge-RNA  
 m35-dRNA  
 m35-frNA  
 m35-aRNA  
 m35c1RNA  
 900  
 AGTTCCCAAG AAATGGAAA TAATCTCTGT CTCTCTGTTG TCTCTGTCTC  
 TCCATGTCTT CCTCTGGCAA GGACCACCAA GAGGAAGTGG AATATGTCAC  
 AGTGGCTTCC AAGGAAGAGA TGAACCGTCT CTTCTAA... ..  
 GGGAGGAAC T CAGTCCTGCA TGCAGACTGG ACTTCATTGT TCTGTGTCTC  
 AATGTCTCAG AAACCTCAAC CCTTCTGCTG TGCCCTCTCC TGAGACACAG  
 CCAGTATGTG AATTGACGC TGCACACGTG GTCTCTGAGG GAAGAGCCGG

901  
 m35-hRNA  
 m35ge-RNA  
 m35-dRNA  
 m35-frNA  
 m35-aRNA  
 m35c1RNA  
 950  
 ..TGTCCTG GGGTGTATGT ATGTGTGTGC ATGCACCTTG CCGGGGCAGA  
 CATGGCTCCC TTTCCCAGGG AGGAGGTTTC ATATGCCGCT CTGACTTTGG  
 .....  
 A.....  
 AAC..CTCAG TCAGTCTACA GAGGAGGAAG AGGCAGCTCG TTCCCTGGAC  
 TGCTACCAAG T<sup>^</sup>CAGGTAGAA GTGGTGAAT ATAGCACATT GGCATTACCC

**Figure 5 (continued)**

m35-hRNA	951	TGTGTATGTG	GGAGACATCT	ACTGGAATCA	TTCCCCTTAGT	ATCTGAGACA	1000	[SEQ ID NO:23]
m35ge-RNA		CCGGCTTGGG	TCAGGAGCCT	ACTTATGGCA	ATACTGGCTG	CCCCATCACC		[SEQ ID NO:25]
m35-dRNA		.....	.....	.....	.....	.....		[SEQ ID NO:19]
m35-frNA		.....	.....	.....	.....	.....		[SEQ ID NO:21]
m35-aRNA		GACGACAAGG	AGGACGTGAT	GGCACCCCT	CCCTTGCAGA	TGTCTGCGGA		[SEQ ID NO:15]
m35c1RNA		CAGGAAGAGC	TTAC....T	ATTCAATCCGT	GGCATTCAAC	TCCCAGAGGC		[SEQ ID NO:17]
m35-hRNA	1001	GGGTTTCTAA	TTGACCAGCA	CCTTTGTGTG	GTAGGTCAGA	CAGCTGGCCA	1050	
m35ge-RNA		CATGTTTC...	.CCAGGACAG	GCCTTGAAGA	GGAGACCACA	GAGTACAGCA		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		GGAACCTGGCC	TTCTCTGAGT	TCATCTCTGT	GTAATTGCAG	AATGCCCCCGT		
m35c1RNA		AGGATTCTCTCA	CGCCAATGGA	GATTCTCTTC	ATCAACCTCA	GGACCAGAAA		
m35-hRNA	1051	GGAACTCCA	GGGATCTCCC	TGCCTCTACC	ATCCATCCTG	AGATTGCAAG	1100	
m35ge-RNA		GCATCAGGAG	GCCCTTGCCT	GCAGCCATGC	CTTAATCTTG	GTCTCTGAAG		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		GGTCGGCCAG	GGATTGTGAA	GCTGAACAGC	TGAGTTCTCA	TGAATTCTTG		
m35c1RNA		GCAGAGTACA	GTGAGATCCA	GAAGCCCAGA	AAAGGACTCT	CTGACCTTTA		

Figure 5 (continued)

m35-hRNA	1101	CATACACGAG	TGCCCTAGCT	TAAAAACAAA	CAAACAAACA	AACACCTTAG	[SEQ ID NO:23]
m35ge-RNA		GCGGCTTGGA	GCATGGATCT	TTACATCTGC	CTCTGTACCT	GCTTCCTTAC	[SEQ ID NO:25]
m35-dRNA		.....	.....	.....	.....	.....	[SEQ ID NO:19]
m35-frNA		.....	.....	.....	.....	.....	[SEQ ID NO:21]
m35-aRNA		GGTTCTACTC	ACAGTCCACG	GCTCTGTCCA	CCTTCCTTCC	GGCTCTCTTT	[SEQ ID NO:15]
m35c1RNA		CCTGTGACTC	CTTGTCACCT	GATCCTCTCA	GTGGTGACTA	CCAGGTTCCA	[SEQ ID NO:17]
m35-hRNA	1151	GTTG.....	TAGGATTGA	ACTCATGTCC	TTGTACCTGC	AAGGAAGGTA	1200
m35ge-RNA		CCGGCCCAGC	TGGTGACTGG	AACTCTGTCC	ATCCGTCTCT	CATGGCCATC	
m35-dRNA		.....	.....	.....	.....	.....	
m35-frNA		.....	.....	.....	.....	.....	
m35-aRNA		CATGCCCCAG	ATGGAGAAGT	GTC TTGGTCC	CTGAAGCCCCG	GATGGTACTT	
m35c1RNA		AGGCTCCCTG	CTGGCTGCTG	CCCTCAATGT	CATGAGCCTC	AGTGGCTTCA	
m35-hRNA	1201	GGCGATTTAC	CTGCTGAGCC	ATCTCCCCAA	TCTGGAGAAG	ACTCAATCTA	1250
m35ge-RNA		AGCTCTACCT	TGCTTGAGCT	TGGAGTTCAA	CCTCAGGGGG	TTCAGGGAA	
m35-dRNA		.....	.....	.....	.....	.....	
m35-frNA		.....	.....	.....	.....	.....	
m35-aRNA		AACAAGTCCA	GCCAGAGGCT	GGAACCT.CC	CGCATATTCT	AATCCCTGGG	
m35c1RNA		CTAAAGATGA	GCAGGAGCCA	GGGCTCTGTG	GGCACAGTCT	CATCCCCACTG	

Figure 5 (continued)

m35-hRNA	1251	GTAAAGAACA	ACTCATCAGC	AGTACCATGG	CTCTGATGTG	CTGCACAACC	1300	[SEQ ID NO:23]
m35ge-RNA		TTAAGGCTCC	TTCCACATCC	CCACTTATAG	CCAATGTACC	TTGGAAGGTA		[SEQ ID NO:25]
m35-dRNA		.....	.....	.....	.....	.....		[SEQ ID NO:19]
m35-frNA		.....	.....	.....	.....	.....		[SEQ ID NO:21]
m35-aRNA		AAGAGTTAAT	GGGTGTGTGG	GCCTTCATCG	GGGCCTGGCC	AGGCTCCATG		[SEQ ID NO:15]
m35c1RNA		GCTCTCTCCT	CTTAGCCCTGT	.....	.....	.....		[SEQ ID NO:17]
m35-hRNA	1301	AGACTCAGAC	TAATCCCACT	CCTATAGCAG	GGACAGCTGA	GTTCTGGAAC	1350	
m35ge-RNA		CCAGGCAGGC	TGCTTCAGGG	ATGCTGTGTA	AATCGTATCA	ACGATGACAA		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		GATAAAGGCT	GAGTTTGTGT	GCGTTCCAGG	AAATTCCCCTG	GGCATGGATG		
m35c1RNA		.....	.....	.....	.....	.....		
m35-hRNA	1351	CCATTTCATGT	GCCCCCTCTCT	CAGGACATCC	TGCAATACCT	ATCTGGGGCT	1400	
m35ge-RNA		TAATAGCAAT	CAACCTTTAT	TTAT	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		TCCAGCAACA	GTCCCCACCTC	CCATCCTCGG	AAGATCCCAC	CTTCACCTCC		
m35c1RNA		.....	.....	.....	.....	.....		

Figure 5 (continued)

m35-hRNA	1401	ATCTTCCACT	GATGACTTCC	AAAGAAGAAA	ATACAAGAAA	ACATCACATT	1450	[SEQ ID NO:23]
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		[SEQ ID NO:25]
m35-frNA		.....	.....	.....	.....	.....		[SEQ ID NO:19]
m35-aRNA		CTCTAATTCT	TCTGCATCAA	TTGCTATGGA	GGAGACAACA	TATGTGTGTC		[SEQ ID NO:21]
m35c1RNA		.....	.....	.....	.....	.....		[SEQ ID NO:15]
								[SEQ ID NO:17]
m35-hRNA	1451	TCCTCTTAGT	GTACTAGTTC	CTTAGAGGAC	ACATGCCAAT	ATAAGACTGC	1500	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		TATGAAACAC	CTGCATCCTG	GCCTCTTAGA	AAATAATTAA	AACAAAATTC		
m35c1RNA		.....	.....	.....	.....	.....		
m35-hRNA	1501	GGGCCACCAG	CCAGTTGATT	GACCAAATAT	CTCGGTGATG	TGGCCTCACC	1550	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		TGCAGACCCA	TCAAGACTCA	CCAAACCATC	TCTAGGGCAG	GGCCTGGGAC		
m35c1RNA		.....	.....	.....	.....	.....		

Figure 5 (continued)

	1551		1600	
m35-hRNA	AAGTAGCATA	AAGTTTGCCA	CTGTCACACT	AGCTATCTGT
m35ge-RNA	.....	.....	.....	CCCTTATTGG
m35-dRNA	.....	.....	.....	.....
m35-frNA	.....	.....	.....	.....
m35-aRNA	TCCACAGTTC	TGACAAAGTGA	CCCTGCCATT	CCTACCCCTTG
m35c1RNA	.....	.....	.....	GGTCTGATGA
				.....

[SEQ ID NO:23]
[SEQ ID NO:25]
[SEQ ID NO:19]
[SEQ ID NO:21]
[SEQ ID NO:15]
[SEQ ID NO:17]

	1601		1650	
m35-hRNA	CAGGACACAC	CCTGCTTCT	TTTTTCTCAA	CACAGCCCCAG
m35ge-RNA	.....	.....	.....	TGACTAAGCC
m35-dRNA	.....	.....	.....	.....
m35-frNA	.....	.....	.....	.....
m35-aRNA	ATCCTCAGCC	CATTTAGCT	AGAACTCTCC	TTCCTTCCTT
m35c1RNA	.....	.....	.....	CCTTCCTTCC
				.....

	1651		1700	
m35-hRNA	CATTGCAAAC	CCAGATGGAG	TAGTTGACCT	AAGCTTTGTA
m35ge-RNA	.....	.....	.....	CCACCTGCTC
m35-dRNA	.....	.....	.....	.....
m35-frNA	.....	.....	.....	.....
m35-aRNA	TTCCCTCCCTT	CCTTCCTTCC	TTTCCTTCCT	TTCCTTCCTT
m35c1RNA	.....	.....	.....	TCCTTCCTTT
				.....

**Figure 5 (continued)**



m35-hRNA	1701	AGGTCTTCAA	GTAGTAGTTA	AGCCTTGGTC	CCTGAAATCT	AGATTGCTCA	1750	[SEQ ID NO:23]
m35ge-RNA		.....	.....	.....	.....	.....		[SEQ ID NO:25]
m35-dRNA		.....	.....	.....	.....	.....		[SEQ ID NO:19]
m35-frNA		.....	.....	.....	.....	.....		[SEQ ID NO:21]
m35-aRNA		CCTTCCCTTC	CTTCCCTTCT	TCGTTCCCTC	CTGCCCTTCCC	TGTGGGGTTT		[SEQ ID NO:15]
m35c1RNA		.....	.....	.....	.....	.....		[SEQ ID NO:17]
m35-hRNA	1751	GTGAGACCAA	ATGGGGAGGT	CAACTGCAGG	AATCAGCTGA	TCTCACAGGA	1800	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		CCTATATGCT	TCCTAGACCT	AGATCATGAC	AGTACGGTCC	CAGTAGGCAC		
m35c1RNA		.....	.....	.....	.....	.....		
m35-hRNA	1801	GTCACGAACC	CACATCACCC	CCAAACCCTT	CCAGGAATGG	TCTCTTCACC	1850	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		TTCCCTGATGC	CTCTCTGGTC	AGGCACACTA	TGGTGACAGC	CAGCCCAAGG		
m35c1RNA		.....	.....	.....	.....	.....		

Figure 5 (continued)

	1851		1900	
m35-hRNA	AGGCCCTTCC	ACTCTCTCCC	TTTTACTCAG	ACAAATCTAT TGAATGTCTA [SEQ ID NO:23]
m35ge-RNA	.....	.....	.....	..... [SEQ ID NO:25]
m35-dRNA	.....	.....	.....	..... [SEQ ID NO:19]
m35-frNA	.....	.....	.....	..... [SEQ ID NO:21]
m35-aRNA	CAGCCAGGGA	TCAGCTGTCT	CTCCATCCTC	CTTCCCCAAG GCCCTGTGTC [SEQ ID NO:15]
m35c1RNA	.....	.....	.....	..... [SEQ ID NO:17]

	1901		1950
m35-hRNA	AGTAGTTATC	ACTCTCCACA	TACATGCTCC AAAATAAGAC AGACCCAATT
m35ge-RNA	.....	.....	.....
m35-dRNA	.....	.....	.....
m35-frNA	.....	.....	.....
m35-aRNA	CCTTGCTTTG	GTAGGACACT	GGAGGAAGTC TCGATATCAT TCCTGTGCCAG
m35c1RNA	.....	.....	.....

	1951		2000
m35-hRNA	AAAGTCCATA	GAGAAGGCCA	ATGGGATCAA AGGTAAATAC TCAGGGGAAA
m35ge-RNA	.....	.....	.....
m35-dRNA	.....	.....	.....
m35-frNA	.....	.....	.....
m35-aRNA	AGTGGTTACT	CCTCCATGGG	GTCTGGAGGC TGAGGGAGAG GAGGAGGAGG
m35c1RNA	.....	.....	.....

Figure 5 (continued)

m35-hRNA	2001	TGAGTAGTCT	CAGCCCACCA	GTCTCAGACA	TCCTGAGTTC	TGCACCATGA	2050	[SEQ ID NO:23]
m35ge-RNA		.....	.....	.....	.....	.....		[SEQ ID NO:25]
m35-dRNA		.....	.....	.....	.....	.....		[SEQ ID NO:19]
m35-frNA		.....	.....	.....	.....	.....		[SEQ ID NO:21]
m35-aRNA		AGGATACCAG	AGTGGGAAGG	GGGGCGGGA	AACAGAAGAC	ACTAGACTCT		[SEQ ID NO:15]
m35c1RNA		.....	.....	.....	.....	.....		[SEQ ID NO:17]
m35-hRNA	2051	CACAGTCTTC	TTCTTGAGTG	GGGCTCTGAC	ACCCACAGCC	AAATTCACAA	2100	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		AGTTACTAGA	GGAGAAATACT	AAATCCAGTA	CTGTTGAGTG	AGGGAAAGAT		
m35c1RNA		.....	.....	.....	.....	.....		
m35-hRNA	2101	CTAACATGGG	TGTTCTCCAA	CTTTGTGGAA	GAAGAGTCCC	CAGGTTAGCA	2150	
m35ge-RNA		.....	.....	.....	.....	.....		
m35-dRNA		.....	.....	.....	.....	.....		
m35-frNA		.....	.....	.....	.....	.....		
m35-aRNA		GGACTGGCTC	AACTATTTT	TTTCCTTTT	CTATTTTGT	TTGAAAAGTA		
m35c1RNA		.....	.....	.....	.....	.....		

Figure 5 (continued)

m35-hRNA	2151		2200	
m35ge-RNA	TCTTCTCAGT	GATGACATGT	GTTGGACTCT	AGTGAGCTTG CCTCTTGTTA [SEQ ID NO:23]
m35-dRNA	.....	.....	.....	..... [SEQ ID NO:25]
m35-frNA	.....	.....	.....	..... [SEQ ID NO:19]
m35-aRNA	.....	.....	.....	..... [SEQ ID NO:21]
m35c1RNA	AGATGTTGGG	AAGGGAGGTG	TTCAGAAATAT	AAAACAGAAA TGTAGGGAGA [SEQ ID NO:15]
	.....	.....	.....	..... [SEQ ID NO:17]
m35-hRNA	2201		2250	
m35ge-RNA	AGAGGATGGT	TTTCATTGTC	TTCAGGGGTA	TACCTGCCAG TCAGTCAGCC
m35-dRNA	.....	.....	.....	.....
m35-frNA	.....	.....	.....	.....
m35-aRNA	.....	.....	.....	.....
m35c1RNA	ATACAAAAGA	AGTGCTGTTT	CTAGGATCAT	ATATAACCTC ACCAAACCTT
	.....	.....	.....	.....
m35-hRNA	2251		2300	
m35ge-RNA	ACATTCCCCAC	TCATGCTCAG	ACCAACAATC	ATGGTTAAAC TCTGTGGGAC
m35-dRNA	.....	.....	.....	.....
m35-frNA	.....	.....	.....	.....
m35-aRNA	.....	.....	.....	.....
m35c1RNA	GTTGACGGCT	CTGCCTGAGC	TTGCAGGACC	CCCCTCCCTT CCCCTCCCTT
	.....	.....	.....	.....

Figure 5 (continued)

	2301			2350	
m35-hRNA	ACACACACAC	ACACACACAC	ACACACACAC	ACACACACAC	GACATATAAT
m35ge-RNA	.....	.....	.....	.....	[SEQ ID NO:23]
m35-dRNA	.....	.....	.....	.....	[SEQ ID NO:25]
m35-frNA	.....	.....	.....	.....	[SEQ ID NO:19]
m35-aRNA	TCCAGTATTT	GCAGATGCTC	CGTTTACAGA	GGGGTCCTCT	CACCATGCAC
m35c1RNA	.....	.....	.....	.....	[SEQ ID NO:15]
					[SEQ ID NO:17]

	2351		2400
m35-hRNA	CAGGAGAGGG	ACTCATTAGA	GCCTGTAGGT
m35ge-RNA	.....	.....	CAGGCAGTGG
m35-dRNA	.....	.....	TAGCACATGC
m35-frNA	.....	.....	.....
m35-aRNA	AGCCCACTAC	GCATCACACG	CTGTCTCGTC
m35c1RNA	.....	.....	ATAAGCATCC
			CTCCGTGTTC

	2401		2450
m35-hRNA	CTTTAATCTC	AACACTCAGG	AGGCAGAGGC
m35ge-RNA	.....	.....	AGGTGGATTT
m35-dRNA	.....	.....	CTGAGTTCTA
m35-frNA	.....	.....	.....
m35-aRNA	TACGAACTTT	GTACAATAAA	CTTTCTCAGC
m35c1RNA	.....	.....	TGTGTAGTAT
			TT

**Figure 5 (continued)**

	2451		2500
m35-hRNA	GGTCAGTCTG	CTTACAGAG	TGAGTTCTAG
m35ge-RNA	.....	.....	GAATAATCCAA
m35-dRNA	.....	.....	[SEQ ID NO:23]
m35-frNA	.....	.....	[SEQ ID NO:25]
m35-aRNA	.....	.....	[SEQ ID NO:19]
m35c1RNA	.....	.....	[SEQ ID NO:21]
	.....	.....	[SEQ ID NO:15]
	.....	.....	[SEQ ID NO:17]

	2501		2550
m35-hRNA	AAAAACAAGG	CTACACAGAG	AAACCATGTC
m35ge-RNA	.....	CTGGGGTAAA	AAAGAAAAAAG
m35-dRNA	.....	.....	.....
m35-frNA	.....	.....	.....
m35-aRNA	.....	.....	.....
m35c1RNA	.....	.....	.....
	.....	.....	.....

	2551
m35-hRNA	AAAA
m35ge-RNA	....
m35-dRNA	....
m35-frNA	....
m35-aRNA	....
m35c1RNA	....

**Figure 5 (continued)**

```

m35eIg-aa      .....      ...GCCTA QD PVTGP EEVSG QE QGSLTVQC [SEQ ID NO:27]
m35h-aa        .....      MWQFSALLLF FLPGCCTA QD SVTGP EEVSG QE QGSLTVQC [SEQ ID NO:24]
m35ge-aa       .....      M HL SLLVPFLF WITGCCTAED PVTGP EEVSG QE QGSLTVQC [SEQ ID NO:26]
m35f-aa        .....      MRLCAGLLLL CFQGC....L SLTGP GSVSG YVGSLRVQC [SEQ ID NO:22]
m35d-aa        .....      MWLSPALLLL SFPGC....L SIQGP ALVRG PEQGSVTVQC [SEQ ID NO:20]
m35c-aa        MTQLASAVWL PTL LLLLLLF WLPGC....V PLHGP STMTG SVQSLSVSC [SEQ ID NO:18]
m35a-aa        .....      ...MRPLVLL WGCLVLPGE ALKGPKEISG FEGDTVSLRC [SEQ ID NO:16]

51
m35eIg-aa      RYDSGWKDYK KYWCR..GAY WKSCEILVET DASEQLVKEN RVSIRDDQTD 100
m35h-aa        RYSSYWKG YK KYWCR..GVP QRSCDILVET DKSEQLVKKN RVSIRDNQRD
m35ge-aa       RYTSGWKDYK KYWCQ..GVP QRCKTLVET DASEQLVKKN RVSIRDNQRD
m35f-aa        QYSPSYKGYM KYWCR..GPH DTCTKTIVET DGSEKEKRS G PVSIRDHAAN
m35d-aa        RYSSRWQTNK KWWCR..GAS WSTCRVLIRS TGSEKETKSG RLSIRDNQKN
m35c-aa        QYEEKFKTKD KYWCR..GSL KVLCKDIVKT SSSEE.ARS G RVTIRDHPDN
m35a-aa        TYVEKMK EHR KYWCRQGGIL VSR CGDIVYA NQ.DQEVTRG RMSIRDSPQE

101
m35eIg-aa      FIFTVTMEDL RMSDADIYWC GITKA..... .GTDPMFKVN VNIDP..... 150
m35h-aa        FIFTVTMEDL RMSDAGIYWC GITKG..... .GPDPMFKVN VNIDQAPKSS
m35ge-aa       FIFTVTMEDL RMSDAGIYWC GITKV..... .PTMPPITST TTIFTVT TTV
m35f-aa        STITVIMEDL SEDDAGSYWC KIOTSFIDS WSRDPSVSVR VNVFVN SGO
m35d-aa        HSFOVTM EML RQNDTDYWC GIEK..... .FGTDRGTRVK VNVYFGHMQT
m35c-aa        LTFTVTYESL TLEDADTYMC AVDISLFDGS LGFDKYFKIE LSVVPSEDPG
m35a-aa        LSMTVIMRDL TLKDSGKYWC GIDR..... .LGRDESFVT LIVFPGSSRP

```

Figure 6

```

151      ..... SIQPSA.ENT GKEQVTSKE ..... [SEQ ID NO:27]
      MMTTATVLK      VTQSRPHTRS LLSSYFLL. [SEQ ID NO:24]
m35h-aa      KETSMFPTLT SYYSDN.GHG GGDSCGGEDG VGDGFLLSV LLPVISAVL. [SEQ ID NO:26]
      m35f-aa      NLRISTNVMF IF.....QLWS LLSSIQFQV. [SEQ ID NO:22]
      m35d-aa      FFSSAATLTP ERAAEMWVKI PCRLLINFPG PLWTAVQTCW LLTCRRGLEA [SEQ ID NO:20]
      m35c-aa      PTLETPVVST SLPTKGPALG SNTEDRRHD YSQG.LRLPA LLSVLALLLF [SEQ ID NO:18]
      m35a-aa      VVWLPLT.. .....PQ DSRVASSVS KPSVSIPMVR MMAPVLILLS [SEQ ID NO:16]

201      ..... LSM..... LSAVLWVT RPQRCFGRGE ..... NDLVKTHSPV
m35eIg-aa      .MVFVELPLL LSM..... LSAVLWVT RPQRCFGRGE ..... NDLVKTHSPV
      m35h-aa      .LLLLLVASL FAWRMVRRQK KDLSLKQPT SPGSSWKKGK SMSSSGKDHQ
      m35ge-aa      .LVFLKLPLF LSMLCAIFWV NRL* .....
      m35f-aa      SLVGAFVGG LMQVPSCSLAV AIFTFVLTLT PPSSQEAHST PSSHSAPVAS
      m35d-aa      LLVGTSLLA RMFQKRLVKA DRHPELSQNL RQASEQNECQ YVNLQLHTWS
      m35c-aa      LLLAAGLIAF GSHMLRWRKK AWLATETQKN EKVYLETSLP GNGWTTEDST
      m35a-aa

251      ..... LTLAGLQEP TYGNTGCPIT HVPRTGLEEE
m35eIg-aa      A..... LTLAGLQEP TYGNTGCPIT HVPRTGLEEE
      m35h-aa      EEVEYVTMAP FPREEVSYAA LTLAGLQEP TYGNTGCPIT HVPRTGLEEE
      m35ge-aa      ..... KEEMNRLF* .....
      m35f-aa      LREEPVLPSQ VEVEYSTLA LPQEELHYSS VAFNSQRQDS HANGDSLHQ
      m35d-aa      IDLAVTPECL RNLNPSAVPS PETQNLQSST EEEEEARS LD DDKEDVMAPP
      m35c-aa
      m35a-aa
300

```

Figure 6 (continued)

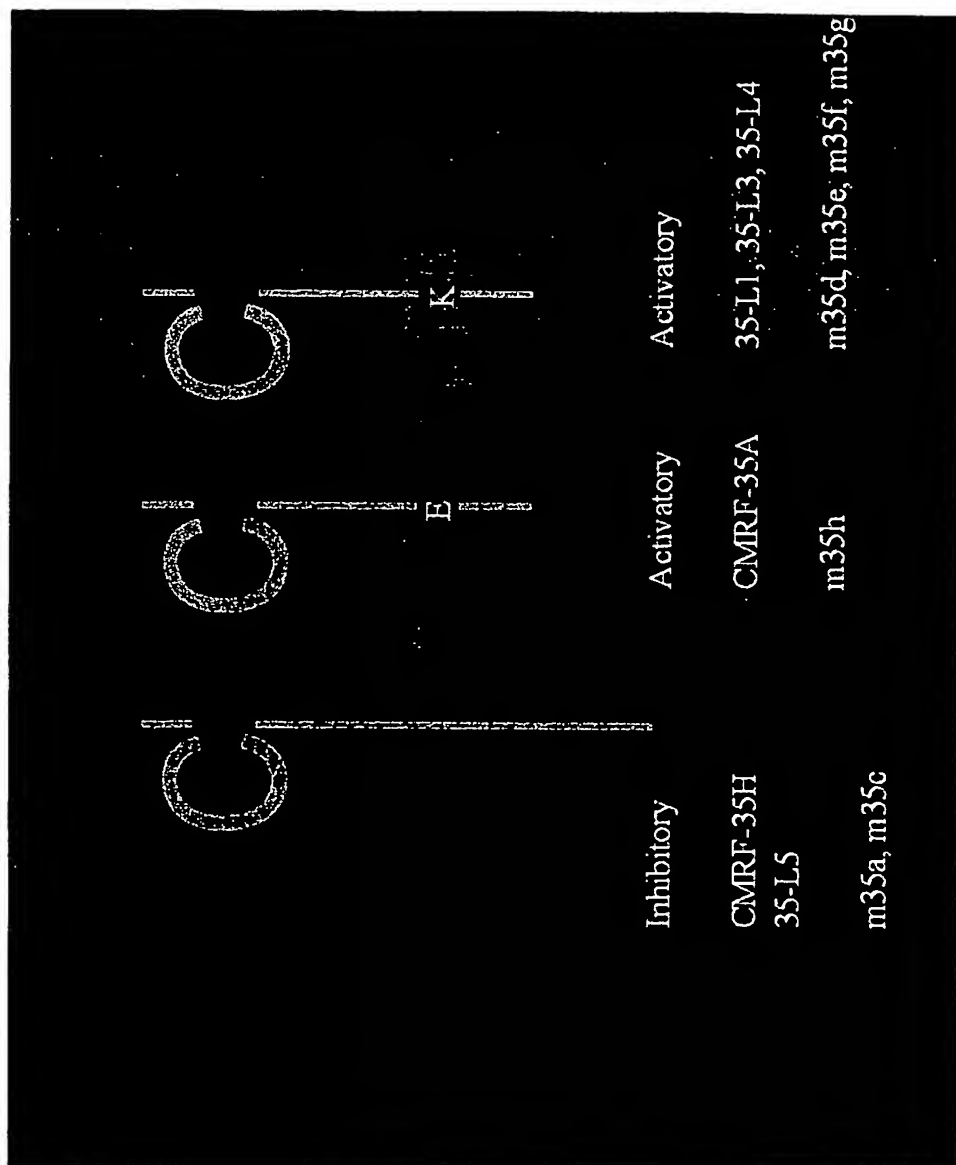


	301		323	
m35eIg-aa	.....	.....	...	[SEQ ID NO:27]
m35h-aa	.....	.....	...	[SEQ ID NO:24]
m35ge-aa	TTEYSSIRRP	LPAAMP*	...	[SEQ ID NO:26]
m35f-aa	.....	.....	...	[SEQ ID NO:22]
m35d-aa	.....	.....	...	[SEQ ID NO:22]
m35c-aa	QDQKAEYSEI	QKPRKGLSDL	YL*	[SEQ ID NO:18]
m35a-aa	PLQMSAEELA	FSEFISV*	...	[SEQ ID NO:16]

Figure 6 (continued)

		Spleen	Thymus	Lymph Node	Kidney	Liver	Heart	Skin	Bone Marrow	Gut	T lymphocyte ELA	macrophage RAW	macrophage J774	mononuclear P388D1	P815	CD11b (G)	CD11b (M)	B cell CD45R	T cell CD3
m35a	BALB/c mouse 2	+	+	+	+	+	+	+	+	+									
	cell lines										---	+++	+++	+++	---	++	---	---	---
m35c	BALB/c mouse 2	+++	+++	+++	+++	+++	+++	+++	+++	+++									---
	cell lines										---	+++	+++	+++	+++	++	++	++	++
m35d	BALB/c mouse 2								+++										++
	cell lines																		
m35e	BALB/c mouse 2	+	+	+	+	+	+	+	+++	+++									++
	cell lines																		
m35f	BALB/c mouse 2	++	---	---	---	++	---	---	---	---	---	+++	+++	---	---	---	---	---	---
	cell lines										---								---
m35g	BALB/c mouse 2	+	+	+	+	+	+	+	+++	---		+++	+++	---	---	---	---	---	---
	cell lines										+++	+++	+++	+++	+++	---	---	---	---

Figure 7

**Figure 8**

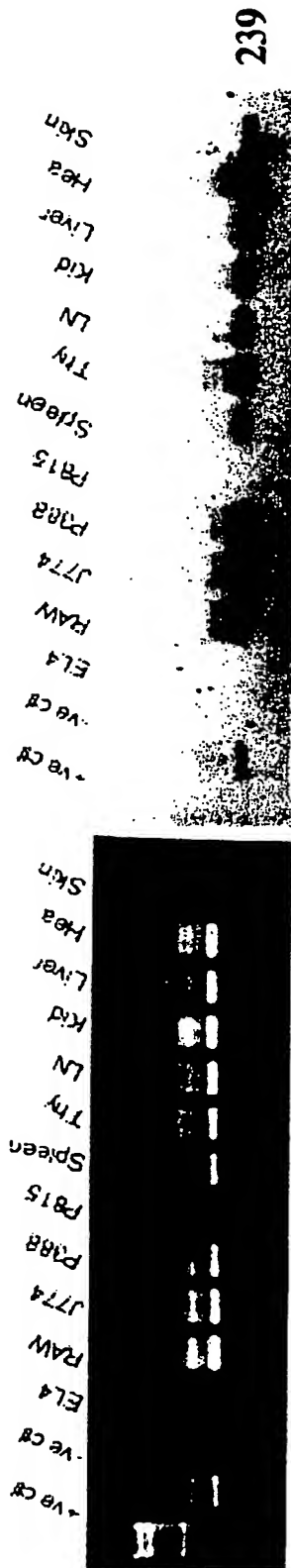


Figure 9A



Figure 9B

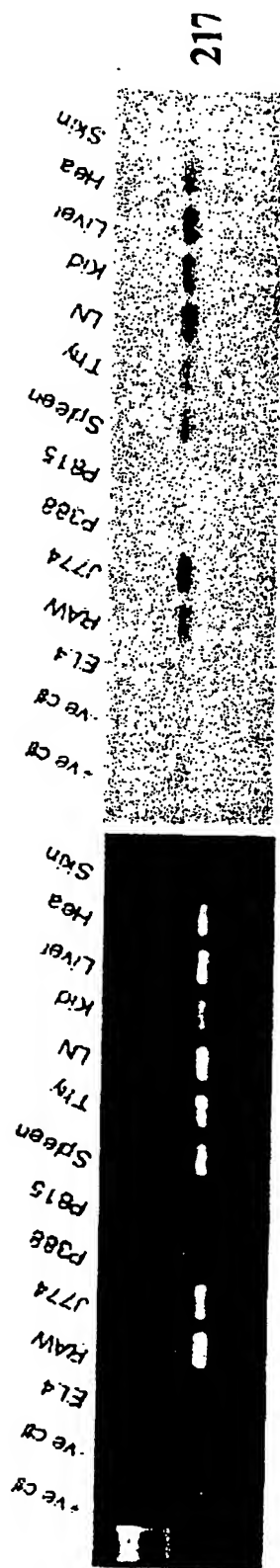


Figure 9C



Figure 9D

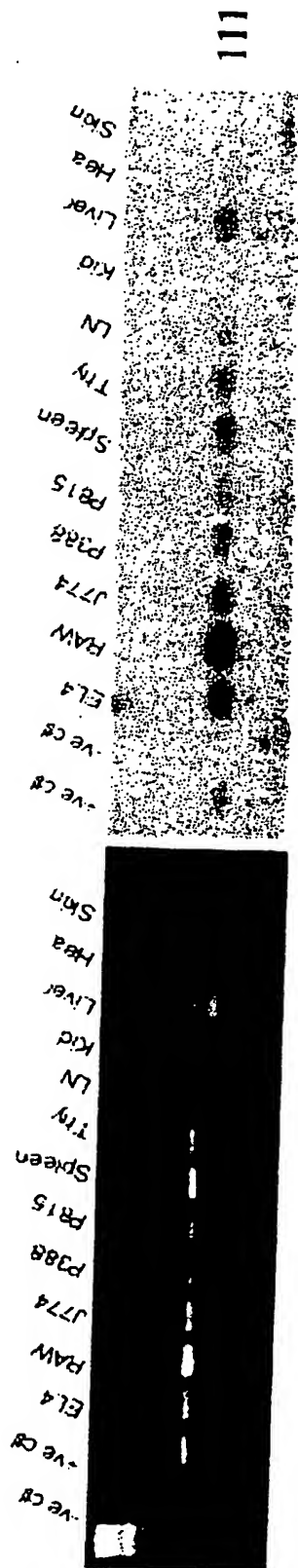


Figure 9E

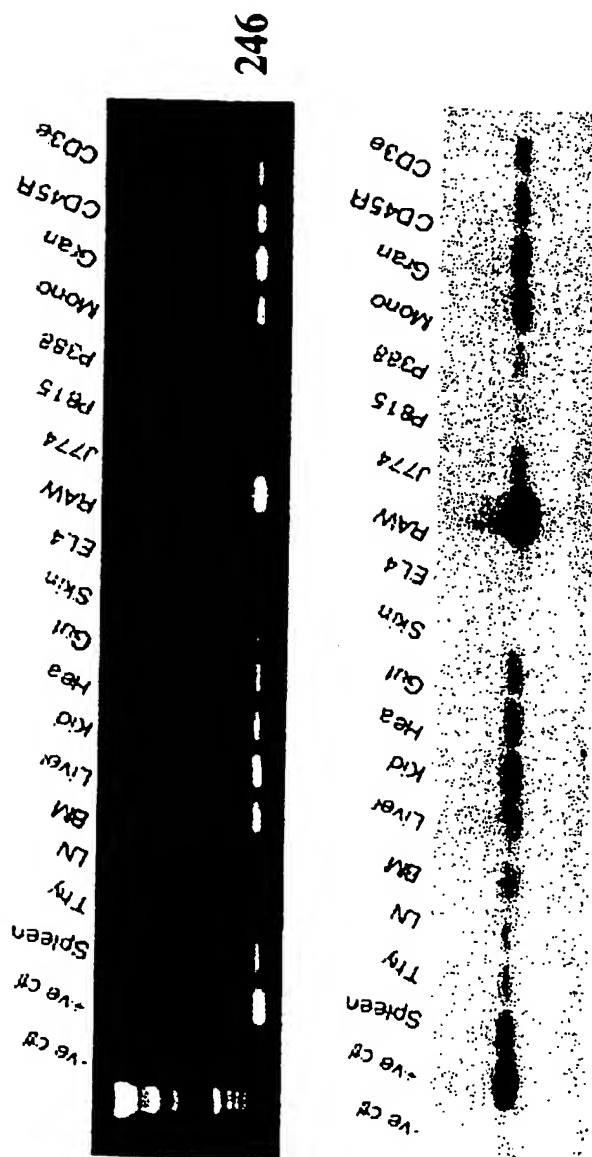


Figure 9F

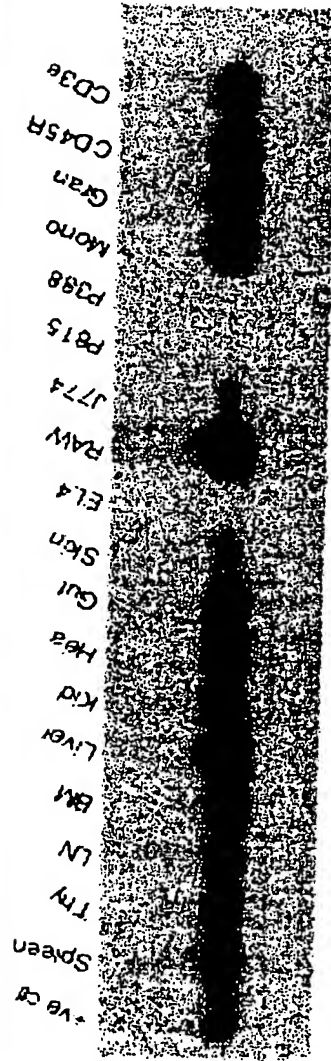
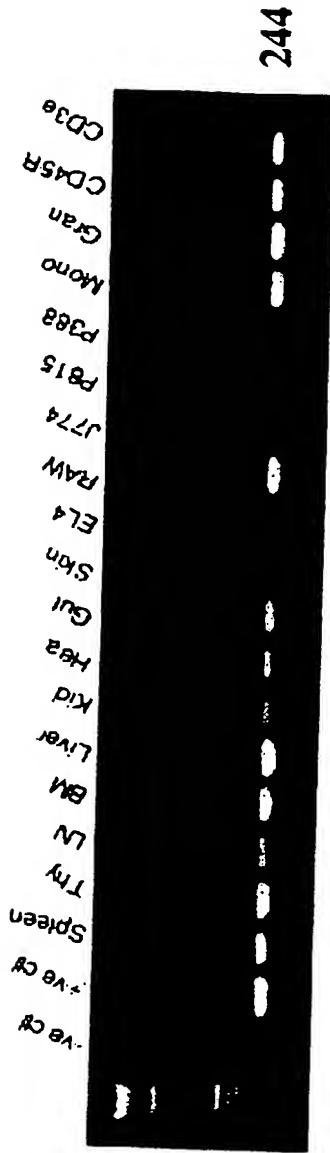


Figure 9G

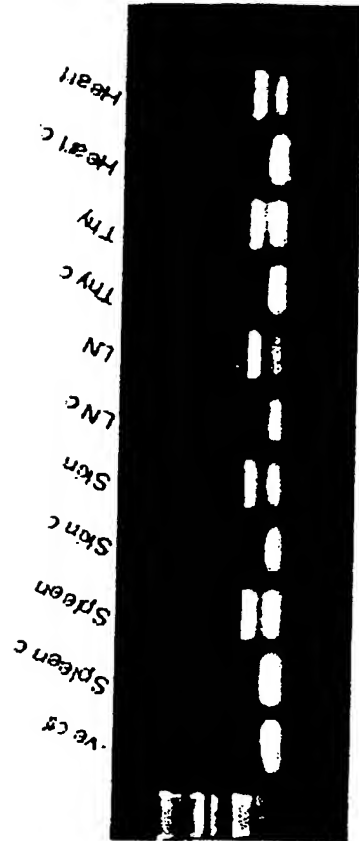
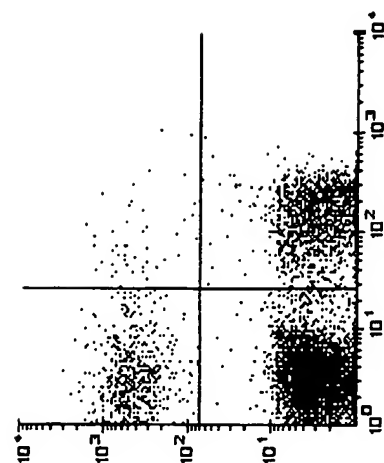
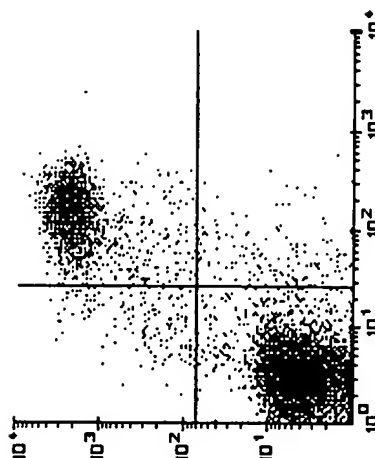


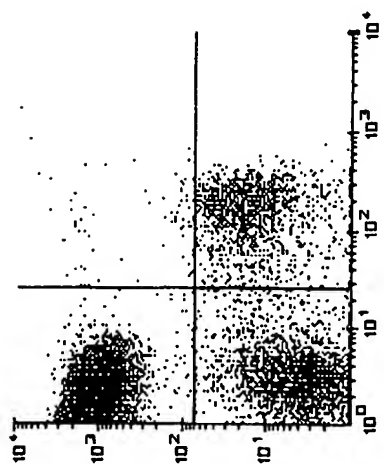
Figure 9H



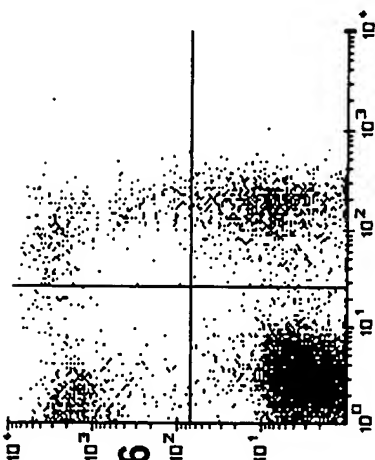
CD19



CD14



CD3



CD16

4D2 (MMRI-1)

Figure 10



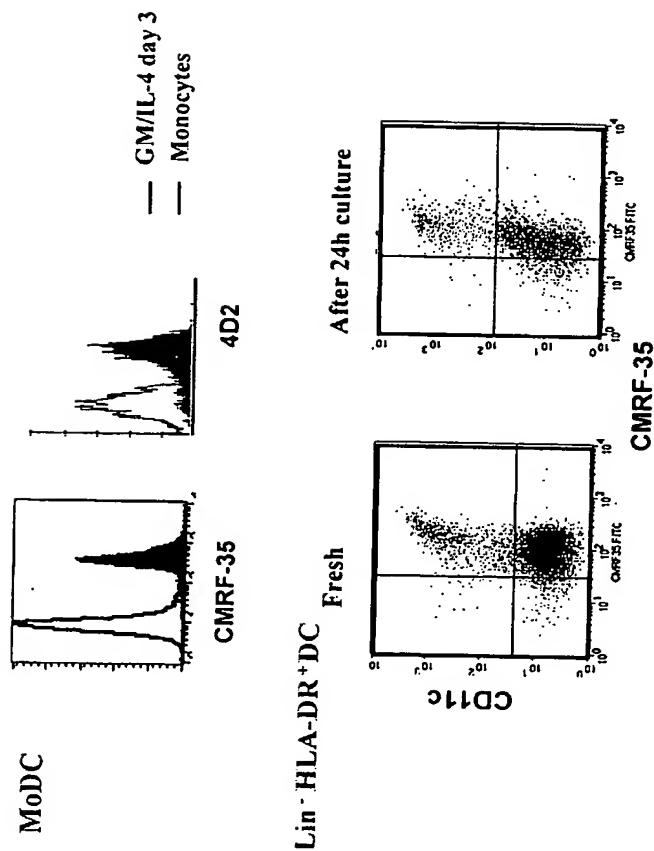
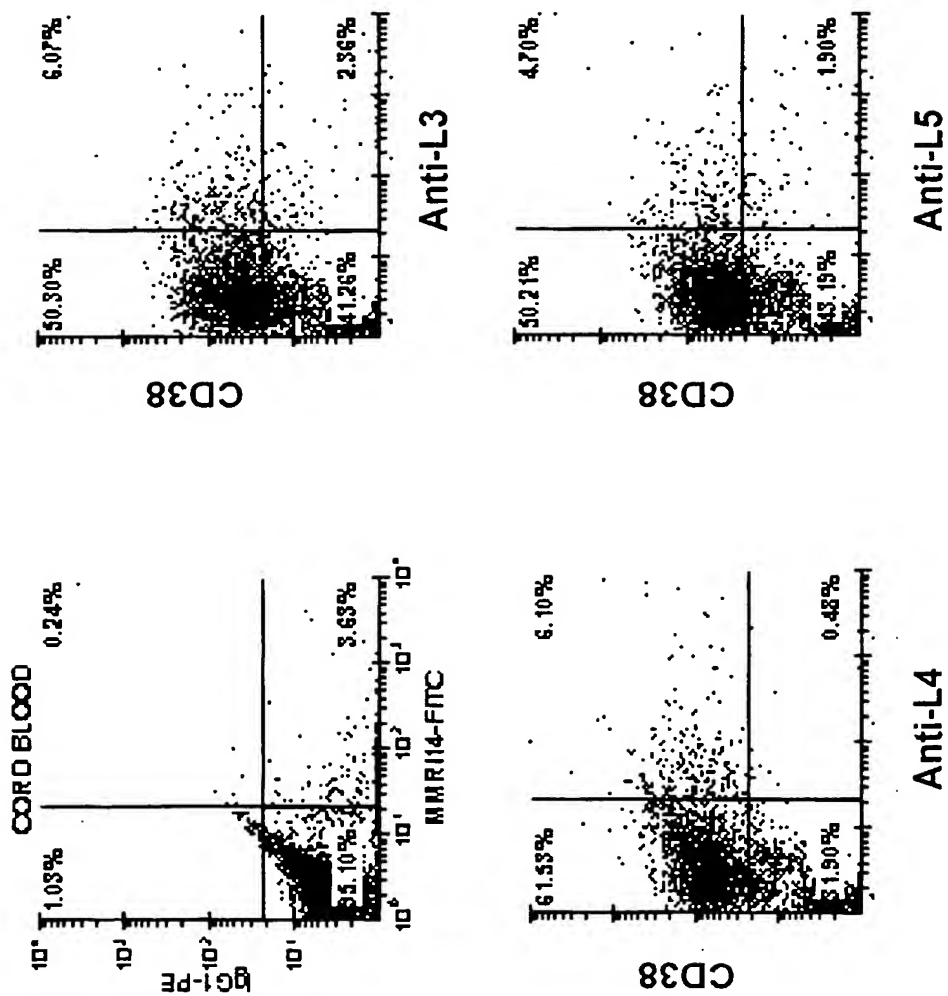


Figure 11



**Figure 12**

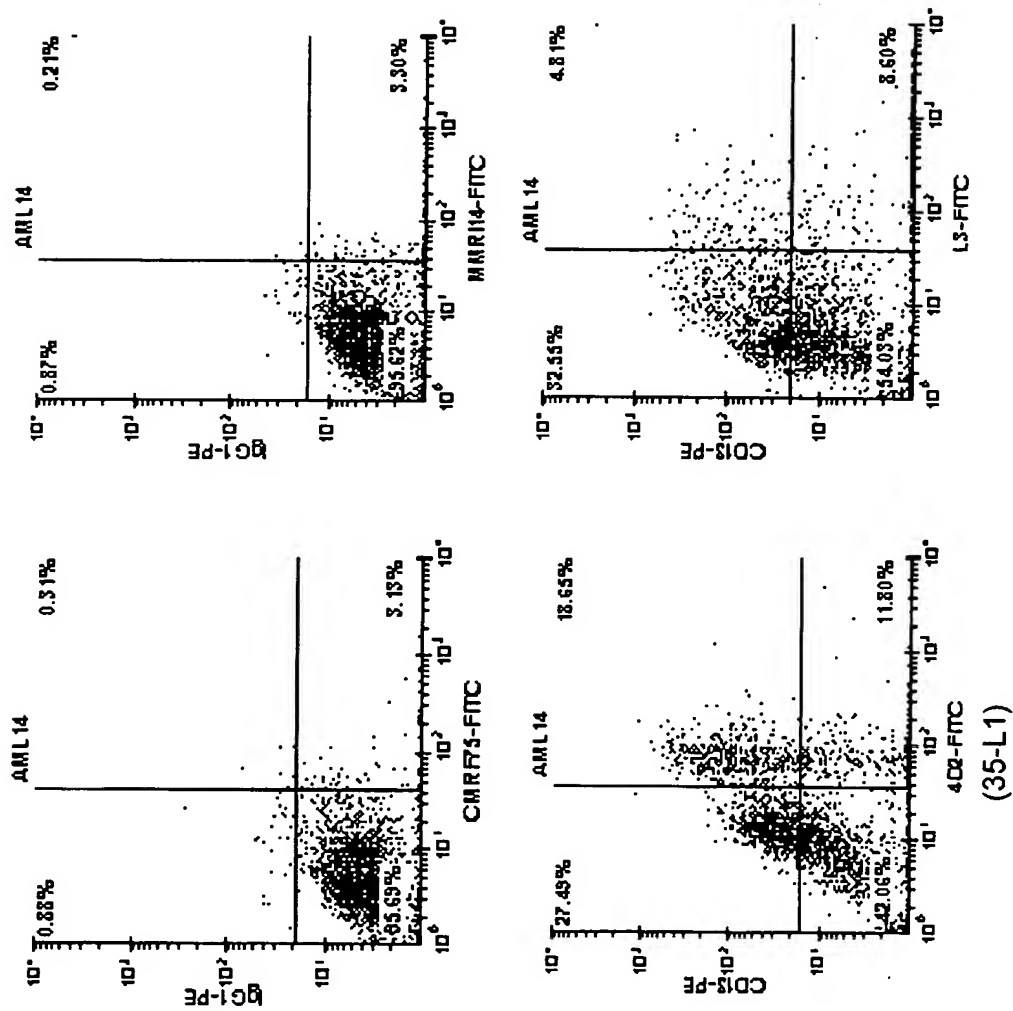


Figure 13

(35-L1)

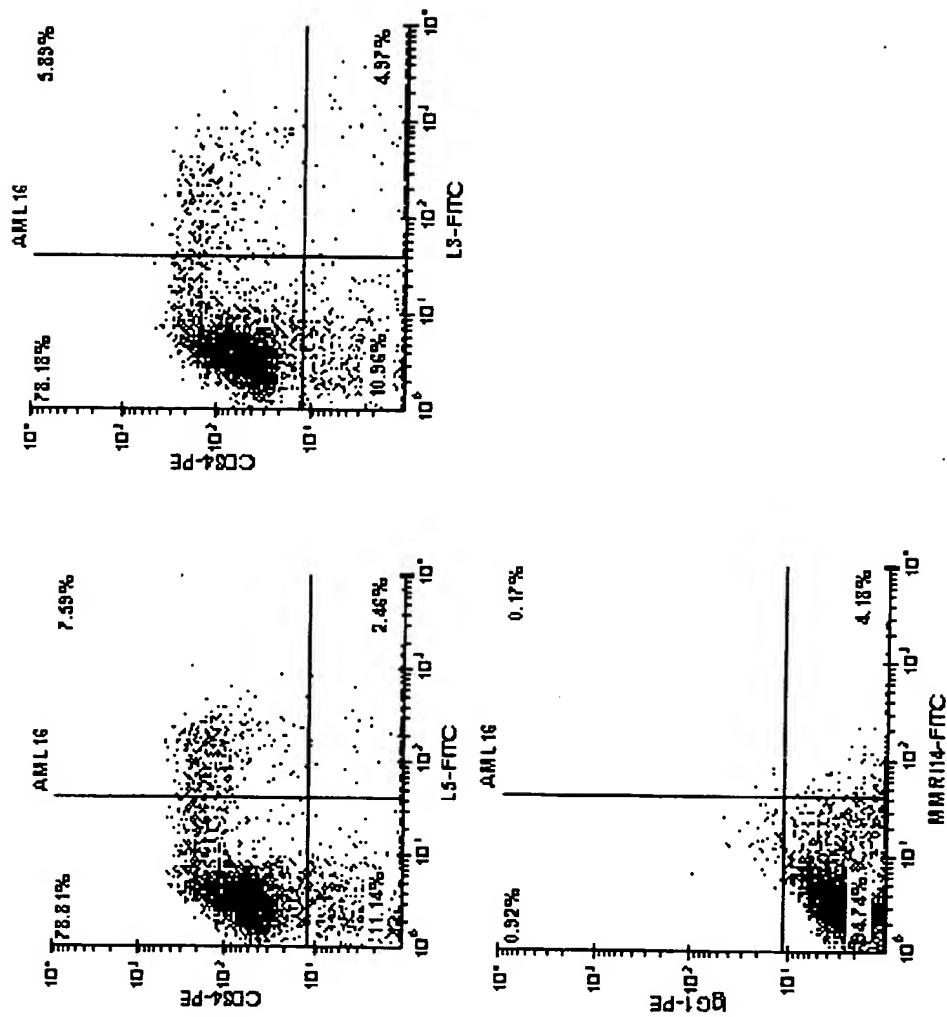


Figure 14